

ORION Ecometer

Fuel meter

The Orion Ecometer constantly evaluates the vessel's fuel efficiency. ORION displays the consumption directly on the screen: in volume and in currency.

The ORION standard version consists of:

- One main cabinet
- Two fuel meters with oval gears



Characteristics

Main features

- Gain, damping
- Dimmer adjustments
- Help to repairing accessible through keyboard
- All worldwide currencies accepted

Fuel sensors:

- Two different models are available :
 - 1/2 inch : capacity 60 to 2,400 liters / h,
 - 1 inch: capacity 600 to 9,000 liters / h.

Display features

- Top LCD display:
 - Instantaneous speed (knot),
 - Instantaneous consumption (liter / hour and euro / hour),
 - Average consumption (liter / hour and euro / hour).
- Bottom LCD display:
 - Total distance (mile),
 - Daily distance (mile),
 - Total consumption (liter and euro),
 - Daily consumption (liter and euro),
 - Efficiency factor.

Technical specifications

- Power supply: 12 VDC to 24 VDC - max:100 mA
- Inputs:
 - 2 x fuel sensor inputs,
 - Either 1 x 1/200 nautical miles log speed input (dry contact),
 - Or 1 x NMEA 0183 format speed frames RMA, RMC, VHW, VLW, VTG with RS422 or RS232 protocol.
- Outputs:
 - 1 x total consumption dry contact output (liter),
 - Either 1 x serial RS422 NMEA 0183 format output,
 - Or serial RS232 NMEA 0183 format output,
 - 1 x power supply for fuel sensors.

Options

- Installation of a microns filter before each sensor
- Heavy fuel or other flows

Standards

- IEC 61162-1

Dimensions

- Cabinet:
 - Length: 114 mm
 - Width: 114 mm
 - Depth: 28 mm
 - Weight: 1 kg
- For 1/2 inch fuel meter:
 - Diameter: 110 mm
 - Depth: 106 mm
 - Weight: 1.6 kg
- For 1 inch fuel meter:
 - Diameter: 120 mm
 - Depth: 117 mm
 - Weight: 2.6 kg

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